

CALIFORNIA ENERGY COMMISSION
Lighting Retrofit
One Wilshire Building Project Summary

Project Description:

One Wilshire, managed by Insignia/ESG, Inc. is a 30-story, 656,000 square foot office building located in downtown Los Angeles. To control rising energy costs, One Wilshire completed a massive lighting retrofit encompassing 5,500 fluorescent, incandescent, and exit fixtures. General Electric UltraMax ballasts and Ultra lamps were used for the fluorescent fixture retrofit. Their ballast and lamp combination uses 46 watts for a 2 lamp, four-foot fixture. Compact fluorescents replaced all other incandescent lighting, and LED exit signs replaced incandescent lighting signs.



Project Results:

- Annual energy savings estimated at \$109,600
- New and longer life lamps and ballasts lessened maintenance requirements
- Reduced lighting heat load lowered the building's air conditioning demand
- Reducing the different types of ballasts from 12 to 4 and lamps from 18 to 8 helped standardize lighting equipment

Funding Detail:

The Energy Commission provided a \$55,000 award toward the total project cost of \$274,000. The project achieved a 259 kilowatt reduction in peak period demand. The estimated annual energy savings is \$109,600, giving the project a two-year payback.

Contacts:

BOMA of Greater Los Angeles

Barbara Harris,
Executive Director
213.629.2662

Energy Innovation Group, LLC

Sidney Pelston,
Technology Advisor and Program Coordinator
213.413.8344

California Energy Commission

Bruce Cenicerros
916.653.1590